ELSEVIER

Journal of Crystal Growth 158 (1995) 576–580

JOURNAL OF CRYSTAL GROWTH

Author index

Albacete, A., see Arsene 158 (1996) 97
Alexandre, F., see Driad 158 (1996) 210
Alexiev, D., see Mo 158 (1996) 403
Amberg, G., see Levenstam 158 (1996) 224
Andersson, M., see Levenstam 158 (1996) 224
Arsene, M.A., A. Albacete, F. Voillot, J.P. Peyrade, A. Barra, J. Galibert, S.M. Wasim and E. Hernández, Synthesis and growth of large stoichiometric single crystals of copper indium diselenide by horizontal varying gradient zone. freeze technique 158 (1996) 97

Baird, T., see Turner 158 (1996) 276
Barat, C., see Kaddeche 158 (1996) 144
Barra, A., see Arsene 158 (1996) 97
Batra, A.K., see Chang 158 (1996) 284
Behlke, J. and A. Knespel, Observation of precrystallization aggregation in protein solutions during centrifugation 158 (1996) 388
Ben Hadid, H., see Kaddeche 158 (1996) 144
Benchimol, J.L., see Driad 158 (1996) 210
Benz, K.W., see Novák 158 (1996) 1
Boistelle, R., see Rinaudo 158 (1996) 316
Bolkhovityanov, Yu.B., A.S. Jaroshevich, N.V. Nomerotsky, M.A. Revenko and E.M. Trukhanov, Liquid phase epitaxy of highly strained InGaAsP/GaAs films in the 1.4–1.8 eV interval of band gaps 158 (1996) 217
Booker, G.R., see Laczik 158 (1996) 37
Brandon, S., see Kuppurao 158 (1996) 459
Burden, A.P. and J.L. Hutchison, Real-time observation of fullerene generation in a modified electron microscope 158 (1996) 185
Butcher, K.S.A., see Mo 158 (1996) 403

Cairns-Smith, A.G., see Turner 158 (1996) 276
Campá, J.A. and I. Rasines, Crystal growth of $CuGeO_3$ 158 (1996) 174
Carlberg, T., see Levenstam 158 (1996) 224
Cecal, A., M. Palamaru, A. Juverdeanu and M. Giosan, Radiochemical study of the kinetics of crystal growth in gels 158 (1996) 181
Chang, J.-M., A.K. Batra and R.B. Lal, Growth and properties of urea-doped triglycine sulfate (UrTGS) crystals 158 (1996) 284
Chen Changkang, see Narlikar 158 (1996) 248
Chen, Jyh-Chen and Chieh Hu, Measurement of the surface temperature distribution in the float zone of $LiNbO_3$ 158 (1996) 289
Cheng, J.Y., see Kuo 158 (1996) 393
Cheng, T.S., C.T. Foxon, L.C. Jenkins, S.E. Hooper, J.W. Orton, S.V. Novikov, T.B. Popova and V.V. Tret'yakov, Mechanisms of nitrogen incorporation in (AlGa)(AsN) films grown by molecular beam epitaxy 158 (1996) 399
Claeys, C., see Kissinger 158 (1996) 191
Cullis, A.G., A.J. Pidduck and M.T. Emeny, Growth morphology evolution and dislocation introduction in the InGaAs/GaAs heteroepitaxial system 158 (1996) 15

Dabringhaus, H., see Gutjahr 158 (1996) 296
Dabringhaus, H., see Gutjahr 158 (1996) 310
Derby, J.J., see Kuppurao 158 (1996) 459
Donecker, J., see Seifert 158 (1996) 409
Dost, S., see Kimura 158 (1996) 231
Driad, R., F. Alexandre, J.L. Benchimol, B. Jusserand, B. Sermage, M. Juhel and P. Launay, Improved stability of C-doped GaAs grown by chemical beam epitaxy for heterojunction bipolar transistor applications 158 (1996) 210
Duan, H.L., see Yoon 158 (1996) 443

Edel, J., see Parfeniuk 158 (1996) 523
Emeny, M.T., see Cullis 158 (1996) 15

Fan, G.H., see Maung 158 (1996) 68
Feng, Z.C., see Tin 158 (1996) 509
Fernández-Díaz, L., see Pina 158 (1996) 340
Fjeldsted, K., see Parfeniuk 158 (1996) 523
Foxon, C.T., see Cheng 158 (1996) 399
Fujii, Y., see Nakajima 158 (1996) 505
Fujiwara, T., see Igasaki 158 (1996) 268
Fukuda, T., see Rudolph 158 (1996) 43
Furuta, T., see Ida 158 (1996) 437

Galibert, J., see Arsene 158 (1996) 97
Garandet, J.P., see Kaddeche 158 (1996) 144
Ge, Peiwen, see Huo 158 (1996) 359

George, P.J., A. Sánchez, P.K. Nair and L. Huang, Properties of chemically deposited CdS thin films converted to n-type by indium diffusion 158 (1996) 53
Giegé, R., see Lorber 158 (1996) 103
Giosan, M., see Cecal 158 (1996) 181
Göbel, E.O., see Jin-Phillipp 158 (1996) 28
Guo, Zengyuan, see Zuo 158 (1996) 377
Gutjahr, A., H. Dabringhaus and R. Lacmann, Studies of the growth and dissolution kinetics of the $CaCO_3$ polymorphs calcite and aragonite. I. Growth and dissolution rates in water 158 (1996) 296
Gutjahr, A., H. Dabringhaus and R. Lacmann, Studies of the growth and dissolution kinetics of the $CaCO_3$ polymorphs calcite and aragonite. II. The influence of divalent cation additives on the growth and dissolution rates 158 (1996) 310

Hamadeh, H., J. Söllner, J. Schmoranzer and M. Heuken, Characterization of $Zn_{(1-y)}Mg_yS_xSe_{(1-x)}$ epilayers grown by low-pressure metalorganic vapour phase epitaxy 158 (1996) 89
Hamamoto, T., see Motojima 158 (1996) 79
Hennenberg, M., see Van Vaerenbergh 158 (1996) 369
Henry, D., see Kaddeche 158 (1996) 144
Hernández, E., see Arsene 158 (1996) 97
Heuken, M., see Hamadeh 158 (1996) 89
Hirabayashi, I., see Kitamura 158 (1996) 61
Hodby, J.W., see Narlikar 158 (1996) 248
Holcomb, E.R.C., T. Inoue and K. Nishioka, Habit changes in $NaBrO_3$ crystals grown from an aqueous solution 158 (1996) 336
Hooper, S.E., see Cheng 158 (1996) 399
Hu, Chieh, see Chen 158 (1996) 289
Hu, R., see Tin 158 (1996) 509
Hu Yongle, see Narlikar 158 (1996) 248
Huang, Damin, see Lu 158 (1996) 169
Huang, Helan, see Yang 158 (1996) 455
Huang, L., see George 158 (1996) 53
Huang, Weidong, see Huo 158 (1996) 359
Huo, Chongru, Zhengyi Xu, Weidong Huang, Peiwen Ge and Zhenhe Zhu, Relaxation behavior in a solution system for crystal growth under microgravity 158 (1996) 359
Hutchison, J.L., see Burden 158 (1996) 185

Ida, M., N. Shigekawa, T. Furuta, H. Ito and T. Kobayashi, Compositional change near the mask edge in selective InGaAs growth by low-temperature MOCVD 158 (1996) 437
Igasaki, Y. and T. Fujiwara, The preparation of highly oriented InSe films by electrodeposition 158 (1996) 268
Iishi, K., see Itoyama 158 (1996) 534
Ikuhara, Y., see Kitamura 158 (1996) 61
Inoue, T., see Holcomb 158 (1996) 336
Ishida, T., see Kimura 158 (1996) 418
Ishida, T., see Kato 158 (1996) 425
Ishimura, E., see Kimura 158 (1996) 418
Ito, H., K. Kurishima and N. Watanabe, Carbon incorporation in InGaAs grown on (311)A oriented substrates by metalorganic chemical vapor deposition 158 (1996) 430
Ito, H., see Ida 158 (1996) 437
Ito, R., see Pan 158 (1996) 205
Itoyama, W., K. Iishi and S. Sakata, Growth of β_{II}-Li_3VO_4 single crystals by the floating zone technique with the aid of a heat reservoir 158 (1996) 534
Iwanaga, H., see Motojima 158 (1996) 79

Jacob, C., see Wu 158 (1996) 480
Jang, Zuimin, see Lu 158 (1996) 169
Jaroshevich, A.S., see Bolkhovityanov 158 (1996) 217
Jenkins, L.C., see Cheng 158 (1996) 399
Jenner, G., see Lorber 158 (1996) 103
Jin-Phillipp, N.Y., F. Phillipp, T. Marschner, W. Stolz and E.O. Göbel, Transmission electron microscopy study on defect reduction in GaAs on Si heteroepitaxial layers grown by metalorganic vapor phase epitaxy 158 (1996) 28
Juhel, M., see Driad 158 (1996) 210
Jusserand, B., see Driad 158 (1996) 210
Juverdeanu, A., see Cecal 158 (1996) 181

Kaddeche, S., J.P. Garandet, C. Barat, H. Ben Hadid and D. Henry, Interface curvature and convection related macrosegregation in the vertical Bridgman configuration 158 (1996) 144
Kamada, T., see Matsuoka 158 (1996) 322
Kato, T., T. Matsumoto, H. Ogura and T. Ishida, Solution growth of InGaAlP on Al-pre-deposited GaAs (100) substrates 158 (1996) 425
Kawasaki, K., see Sawada 158 (1996) 328
Kimura, K., see Nakajima 158 (1996) 505
Kimura, M., Z. Qin and S. Dost, A solid–liquid diffusion model for growth and dissolution of ternary alloys by liquid phase epitaxy 158 (1996) 231
Kimura, T., S. Ochi, T. Ishida, E. Ishimura, T. Sonoda, Y. Mihashi, S. Takamiya and W. Susaki, Undoped $Al_{0.48}In_{0.52}As$ grown by metalorganic chemical vapor deposition as the current-blocking layer of laser diodes 158 (1996) 418
Kissinger, G., J. Vanhellemont, C. Claeys and H. Richter, Observation of stacking faults and prismatic punching systems in silicon by light scattering tomography 158 (1996) 191
Kitamura, T., S. Taniguchi, Y. Shiohara, I. Hirabayashi, S. Tanaka, Y. Sugawara and Y. Ikuhara, Growth mechanism of thick *c*-axis oriented $YBa_2Cu_3O_{7-y}$ films prepared by liquid phase epitaxy 158 (1996) 61
Klinger, D., see Seifert 158 (1996) 409

Kluge, J., see Seifert 158 (1996) 409
Knespel, A., see Behlke 158 (1996) 388
Kobayashi, T., see Ida 158 (1996) 437
Kohiro, K., M. Ohta and O. Oda, Growth of long-length 3 inch diameter Fe-doped InP single crystals 158 (1996) 197
Komatsu, H., see Nishimura 158 (1996) 255
Korzoun, B.V., see Savchuk 158 (1996) 385
Kučera, M., see Novák 158 (1996) 1
Kulakov, M.A., Morphology of an as-grown surface of SiC – determination of step flow direction 158 (1996) 261
Kuo, H.C., see Kuo 158 (1996) 393
Kuo, J.M., H.C. Kuo, J.Y. Cheng, Y.C. Wang, Y. Lu and W.E. Mayo, Interface optimization of AlInP/GaAs multiple quantum wells grown by gas source molecular beam epitaxy 158 (1996) 393
Kuppurao, S., S. Brandon and J.J. Derby, Analysis of interrupted growth strategies for cadmium telluride in an unseeded vertical Bridgman system 158 (1996) 459
Kurishima, K., see Ito 158 (1996) 430

Lacmann, R., see Gutjahr 158 (1996) 296
Lacmann, R., see Gutjahr 158 (1996) 310
Laczik, Z., G.R. Booker and A. Mowbray, Assessment of residual subsurface polishing damage in InP wafers by photoluminescence 158 (1996) 37
Lal, R.B., see Chang 158 (1996) 284
Lanfranco, A.M., see Rinaudo 158 (1996) 316
LaPierre, R.R., T. Okada, B.J. Robinson, D.A. Thompson and G.C. Weatherly, Lateral composition modulation in InGaAsP strained layers and quantum wells grown on (100) InP by gas source molecular beam epitaxy 158 (1996) 6
Lauer, S., see Novák 158 (1996) 1
Launay, P., see Driad 158 (1996) 210
Legros, J.C., see Van Vaerenbergh 158 (1996) 369
Lent, B., see Parfeniuk 158 (1996) 523
Levenstam, M., G. Amberg, T. Carlberg and M. Andersson, Experimental and numerical studies of thermocapillary convection in a floating zone like configuration 158 (1996) 224
Li, Wangcheng, see Yang 158 (1996) 455
Li, Wenming, see Yang 158 (1996) 455
Lin, H., P.G. Vekilov and F. Rosenberger, Facet morphology response to nonuniformities in nutrient and impurity supply. II. Numerical simulations 158 (1996) 552
Liu, J., see Tin 158 (1996) 509
Lorber, B., G. Jenner and R. Giegé, Effect of high hydrostatic pressure on nucleation and growth of protein crystals 158 (1996) 103
Lu, Xuekun, Zuimin Jang, Damin Huang, Haijun Zhu, Xiangjiu Zhang and Xun Wang, Crystalline quality of Si epilayers influenced by Sb doping 158 (1996) 169
Lu, Y., see Kuo 158 (1996) 393

Mannami, M., see Nakajima 158 (1996) 505
Marschner, T., see Jin-Phillipp 158 (1996) 28
Masuda, A., Y. Yamanaka, M. Tazoe, T. Nakamura, A. Morimoto and T. Shimizu, Preparation and crystallographic characterizations of highly oriented $Pb(Zr_{0.52}Ti_{0.48})O_3$ films and MgO buffer layers on (100)GaAs and (100)Si by pulsed laser ablation 158 (1996) 84
Matsumoto, F., see Rudolph 158 (1996) 43
Matsumoto, T., see Kato 158 (1996) 425
Matsunaga, Y., see Yasuda 158 (1996) 128
Matsuoka, M., T. Kamada and H. Takiyama, Growth rate enhancement of potash alum crystals by microcrystals 158 (1996) 322
Maung, N., G.H. Fan, T.L. Ng, J.O. Williams and A.C. Wright, Mass-spectrometric study of the pyrolysis reactions in the MOVPE of Ga_2Se_3 by in-situ gas sampling 158 (1996) 68
Mayo, W.E., see Kuo 158 (1996) 393
Mehl, P.M., Cryomicroscopic determination of ice crystal growth in the system 2,4-pentanediol/water 158 (1996) 177
Miao, Y.B., see Yoon 158 (1996) 443
Mihashi, Y., see Kimura 158 (1996) 418
Miyashita, S., see Nishimura 158 (1996) 255
Mo, L., K.S.A. Butcher and D. Alexiev, Effect of crucible materials on impurities in LPE GaAs 158 (1996) 403
Morimoto, A., see Masuda 158 (1996) 84
Morthland, T.E. and J.S. Walker, Thermocapillary convection during floating–zone silicon growth with a uniform or non-uniform magnetic field 158 (1996) 471
Motojima, S., T. Hamamoto and H. Iwanaga, Preparation of micro-coiled SiC fibers by chemical vapor deposition and their morphology 158 (1996) 79
Mowbray, A., see Laczik 158 (1996) 37

Nair, P.K., see George 158 (1996) 53
Nakajima, K., Y. Fujii, K. Kimura and M. Mannami, A RHEED study of temperature dependence of homoepitaxy of SnTe(111) 158 (1996) 505
Nakamura, T., see Masuda 158 (1996) 84
Nanev, C.N. and R.St. Rashkov, Polyhedral instability and transition to skeletal growth during electrocrystallization of cadmium 158 (1996) 136
Narlikar, A.V., S.B. Samanta, Chen Changkang, Hu Yongle, J.W. Hodby and B.M. Wanklyn, Nanostructure morphology and atomically resolved images of chains and planes of YBCO single crystals grown with different additives 158 (1996) 248

Neubert, M., see Seifert 158 (1996) 409
Ng, T.L., see Maung 158 (1996) 68
Ning, X.J., see Wu 158 (1996) 480
Nishimura, Y., Y. Yasuhara, S. Miyashita and H. Komatsu, In situ observation of crystallization of YBCO via the peritectic reaction 158 (1996) 255
Nishino, S., see Wu 158 (1996) 480
Nishioka, K., see Holcomb 158 (1996) 336
Nomerotsky, N.V., see Bolkhovityanov 158 (1996) 217
Novák, J., M. Kučera, S. Lauer and K.W. Benz, Photoluminescence characterization of sulphur-doped GaSb grown by liquid phase electroepitaxy 158 (1996) 1
Novikov, S.V., see Cheng 158 (1996) 399

O'Brien, P. and T. Saeed, Deposition and characterization of cadmium sulfide thin films by chemical bath deposition 158 (1996) 497
Ochi, S., see Kimura 158 (1996) 418
Oda, O., see Kohiro 158 (1996) 197
Ogura, H., see Kato 158 (1996) 425
Ohnaka, I., see Yasuda 158 (1996) 128
Ohta, M., see Kohiro 158 (1996) 197
Okada, T., see LaPierre 158 (1996) 6
Olchowik, J.M., W. Sadowski and D. Szymczuk, Study of generation of $Ga_xIn_{1-x}P_yAs_{1-y}$ transition layers obtained by liquid phase epitaxy 158 (1996) 241
Onabe, K., see Pan 158 (1996) 205
Orton, J.W., see Cheng 158 (1996) 399

Palamaru, M., see Cecal 158 (1996) 181
Pan, W., H. Yaguchi, K. Onabe, Y. Shiraki and R. Ito, Growth temperature dependence of AlGaAs spontaneous vertical quantum wells on V-grooved substrates by low-pressure metalorganic vapor phase epitaxy 158 (1996) 205
Parfeniuk, C., I.V. Samarasekera and F. Weinberg, Growth of lithium triborate crystals. I. Mathematical model 158 (1996) 514
Parfeniuk, C., I.V. Samarasekera, F. Weinberg, J. Edel, K. Fjeldsted and B. Lent, Growth of lithium triborate crystals. II. Experimental results 158 (1996) 523
Peacock, R.D., see Turner 158 (1996) 276
Peyrade, J.P., see Arsene 158 (1996) 97
Phillipp, F., see Jin-Phillipp 158 (1996) 28
Pidduck, A.J., see Cullis 158 (1996) 15
Pina, C.M., L. Fernández-Díaz and M. Prieto, Topotaxy relationships in the transformation phosgenite–cerussite 158 (1996) 340
Pirouz, P., see Wu 158 (1996) 480
Popova, T.B., see Cheng 158 (1996) 399
Potapenko, S.Yu., Morphological instability of steps during crystal growth from solution flow 158 (1996) 346
Prieto, M., see Pina 158 (1996) 340
Prywer, J., Three-dimensional model of any shape face disappearance in crystal habit 158 (1996) 568

Qin, Z., see Kimura 158 (1996) 231

Radhakrishnan, K., see Yoon 158 (1996) 443
Rashkov, R.St., see Nanev 158 (1996) 136
Rasines, I., see Campá 158 (1996) 174
Revenko, M.A., see Bolkhovityanov 158 (1996) 217
Richter, H., see Kissinger 158 (1996) 191
Rinaudo, C., A.M. Lanfranco and R. Boistelle, The gypsum–brushite system: crystallization from solutions poisoned by phosphate ions 158 (1996) 316
Ristic, R.I., see Zikic 158 (1996) 560
Robinson, B.J., see LaPierre 158 (1996) 6
Rosenberger, F., see Vekilov 158 (1996) 540
Rosenberger, F., see Lin 158 (1996) 552
Rudolph, P., F. Matsumoto and T. Fukuda, Studies on interface curvature during vertical Bridgman growth of InP in a flat-bottom container 158 (1996) 43
Rudolph, P., see Seifert 158 (1996) 409
Ruhnau, U., see von Münch 158 (1996) 491

Sadowski, W., see Olchowik 158 (1996) 241
Saeed, T., see O'Brien 158 (1996) 497
Sakata, S., see Itoyama 158 (1996) 534
Samanta, S.B., see Narlikar 158 (1996) 248
Samarasekera, I.V., see Parfeniuk 158 (1996) 514
Samarasekera, I.V., see Parfeniuk 158 (1996) 523
Sánchez, A., see George 158 (1996) 53
Sasaki, A., see Wang 158 (1996) 49
Savchuk, V.A., B.V. Korzoun and D.I. Zhigunov, Growth and cathodoluminescence study of $CuAlSe_2$ single crystals 158 (1996) 385
Sawada, T., K. Takemura, K. Shigematsu, S. Yoda and K. Kawasaki, Dynamic pressure control for solution growth and its microgravity application 158 (1996) 328
Schmoranzer, J., see Hamadeh 158 (1996) 89
Schröder, W., see Wollweber 158 (1996) 166
Schulz, D., see Wollweber 158 (1996) 166
Seifert, M., M. Neubert, W. Ulrici, B. Wiedemann, J. Donecker, J. Kluge, E. Wolf, D. Klinger and P. Rudolph, Studies on correlation between the quality of GaAs LEC crystals and the inert gas pressure 158 (1996) 409
Sermage, B., see Driad 158 (1996) 210
Sherwood, J.N., see Zikic 158 (1996) 560
Shigekawa, N., see Ida 158 (1996) 437
Shigematsu, K., see Sawada 158 (1996) 328
Shimizu, T., see Masuda 158 (1996) 84
Shiohara, Y., see Kitamura 158 (1996) 61
Shiohara, Y., see Yasuda 158 (1996) 128
Shiraki, Y., see Pan 158 (1996) 205
Söllner, J., see Hamadeh 158 (1996) 89
Sonoda, T., see Kimura 158 (1996) 418
Stewart, B., see Turner 158 (1996) 276
Stolz, W., see Jin-Phillipp 158 (1996) 28

Sugawara, Y., see Kitamura 158 (1996) 61
Sun, Yuh-Maoh, Meng-Chyi Wu and Yuan-Tzu Ting, Low concentration GaSb grown from Sb-rich solutions by liquid phase epitaxy in the presence of erbium 158 (1996) 449
Susaki, W., see Kimura 158 (1996) 418
Szymczuk, D., see Olchowik 158 (1996) 241

Takamiya, S., see Kimura 158 (1996) 418
Takemura, K., see Sawada 158 (1996) 328
Takiyama, H., see Matsuoka 158 (1996) 322
Tanaka, S., see Kitamura 158 (1996) 61
Taniguchi, S., see Kitamura 158 (1996) 61
Tazoe, M., see Masuda 158 (1996) 84
Thompson, D.A., see LaPierre 158 (1996) 6
Tin, C.C., R. Hu, J. Liu, Y. Vohra and Z.C. Feng, Raman microprobe assessment of low-pressure chemical vapor deposition-grown 4H–SiC epilayers 158 (1996) 509
Ting, Yuan-Tzu, see Sun 158 (1996) 449
Tret'yakov, V.V., see Cheng 158 (1996) 399
Trukhanov, E.M., see Bolkhovityanov 158 (1996) 217
Turner, G., B. Stewart, T. Baird, R.D. Peacock and A.G. Cairns-Smith, Layer morphology and growth mechanisms in barium ferrites 158 (1996) 276

Ulrici, W., see Seifert 158 (1996) 409

Van de Waal, B.W., Cross-twinning model of fcc crystal growth 158 (1996) 153
Van Vaerenbergh, S., J.C. Legros and M. Hennenberg, Oscillations induced by purely diffusive processes in planar directional solidification from the melt 158 (1996) 369
Vanhellemont, J., see Kissinger 158 (1996) 191
Vekilov, P.G. and F. Rosenberger, Dependence of lysozyme growth kinetics on step sources and impurities 158 (1996) 540
Vekilov, P.G., see Lin 158 (1996) 552
Vivès, C., Crystallization of aluminium alloys in the presence of cavitation phenomena induced by a vibrating electromagnetic pressure 158 (1996) 118
Vohra, Y., see Tin 158 (1996) 509
Voillot, F., see Arsene 158 (1996) 97
Von Münch, W. and U. Ruhnau, New susceptor arrangement for the epitaxial growth of β-SiC on silicon 158 (1996) 491

Wakahara, A., see Wang 158 (1996) 49
Walker, J.S., see Morthland 158 (1996) 471
Wang, Shanli, see Yang 158 (1996) 455
Wang, X.-L., A. Wakahara and A. Sasaki, Si and Zn doping of GaP grown by OMVPE using tertiarybutylphosphine 158 (1996) 49
Wang, Xun, see Lu 158 (1996) 169
Wang, Y.C., see Kuo 158 (1996) 393
Wanklyn, B.M., see Narlikar 158 (1996) 248
Wasim, S.M., see Arsene 158 (1996) 97
Watanabe, N., see Ito 158 (1996) 430
Weatherly, G.C., see LaPierre 158 (1996) 6
Weinberg, F., see Parfeniuk 158 (1996) 514
Weinberg, F., see Parfeniuk 158 (1996) 523
Wiedemann, B., see Seifert 158 (1996) 409
Williams, J.O., see Maung 158 (1996) 68
Wolf, E., see Seifert 158 (1996) 409
Wollweber, J., D. Schulz and W. Schröder, Extremely reduced dislocation density in Si_xGe_{1-x} single crystals grown by the float zone technique 158 (1996) 166
Wright, A.C., see Maung 158 (1996) 68
Wu, C.H., C. Jacob, X.J. Ning, S. Nishino and P. Pirouz, Epitaxial growth of 3C–SiC on Si(111) from hexamethyldisilane 158 (1996) 480
Wu, Meng-Chyi, see Sun 158 (1996) 449

Xiong, Xin, see Yang 158 (1996) 455
Xu, Zhengyi, see Huo 158 (1996) 359

Yaguchi, H., see Pan 158 (1996) 205
Yamanaka, Y., see Masuda 158 (1996) 84
Yang, Yi, Yukun Yang, Wangcheng Li, Wenming Li, Lei Yu, Xin Xiong, Shanli Wang and Helan Huang, Study of the band offset for ZnSe(100)/GaAs(100) heterojunctions grown by hot wall epitaxy 158 (1996) 455
Yang, Yukun, see Yang 158 (1996) 455
Yasuda, H., I. Ohnaka, Y. Matsunaga and Y. Shiohara, In-situ observation of peritectic growth with faceted interface 158 (1996) 128
Yasuhara, Y., see Nishimura 158 (1996) 255
Yoda, S., see Sawada 158 (1996) 328
Yoon, S.F., Y.B. Miao, K. Radhakrishnan and H.L. Duan, Some effects of indium composition on pseudomorphic $In_xGa_{1-x}As/In_{0.52}Al_{0.48}As$ modulation-doped heterostructures grown by molecular beam epitaxy 158 (1996) 443
Yu, Lei, see Yang 158 (1996) 455

Zhang, Xiangjiu, see Lu 158 (1996) 169
Zhigunov, D.I., see Savchuk 158 (1996) 385
Zhu, Haijun, see Lu 158 (1996) 169
Zhu, Zhenhe, see Huo 158 (1996) 359
Zikic, A.M., R.I. Ristic and J.N. Sherwood, Three-parameter distribution function fit to growth rate dispersion among small crystals 158 (1996) 560
Zuo, Ran and Zengyuan Guo, Two-dimensional analysis on solute segregation in crystal growth from melt. I. Solution at crystal/melt interface 158 (1996) 377

ELSEVIER

Journal of Crystal Growth 158 (1996) 581–583

JOURNAL OF CRYSTAL GROWTH

Subject index

Aluminum
– alloys 118
– indium phosphide 393
Apparatus
– for growth under high hydrostatic pressure
– – of lysozyme 103
– for in situ gas sampling 68
– for in situ observation of peritectic growth
– – of salicylic acid–acetamide 128
– for melt growth
– – by phosphor pressure controlled liquid encapsulated Czochralski method
– – – of indium phosphide 197
– for real time observation
– – of fullerene generation 185
– for solution growth
– – by flux method
– – – of YBCO 255
– for thin film growth
– – by contactless susceptor 491

Biological mineralization
– of hen egg-white lysozyme 103
– of proteins 388

Cadmium 136
– sulphide 53, 497
Calcium
– carbonate 296, 310
Cobalt
– of hydrogen phosphate 181
– of monosulphate 181
Computer simulation
– of crystal growth 144
– of fluid flow during growth 514, 523
– of heat flow 459, 523
– of lysozyme crystal structure 103
– of solubilities 241
– of ternary alloy growth 231
– of thermocapillary convection 224
Constitutional supercooling 369
– of cadmium telluride 459
Convection 144, 224, 359, 377, 459
Copper
– germanite 174
– indium diselenide 97, 385

Defects
– misfit dislocations in indium gallium arsenide phosphide/gallium arsenide 224
– of polished indium phosphide 37
– reduction in gallium arsenide 28
– stacking faults in silicon 191
– theory of twin formation 153
Dendritic growth
– of ammonium chloride 328
– of ice crystals 177
– of skeletal growth 136
Device characterization
– electronic materials 6, 385
– heterojunction 443, 455
– infrared detectors 284
– lasers 418
– quantum wells 6, 205, 393
Diffusional control
– of crystal growth 136
– of solution growth 359
– of ternary alloys 231
Dissolution
– of the primary phase during peritectic growth 128

Electronic materials, see Device characterization
Epitaxy, see Thin film growth
Etching
– chemical 43, 191, 276, 409

Gallium
– arsenide 28, 210, 403, 455
– phosphide 49
Germanium
– gallium alloys 144

Heterojunction, see Device characterization
Hydrodynamics, see Convection

Indium
– aluminum arsenide 418
– gallium aluminum arsenide 443
– gallium aluminum phosphide 425
– gallium arsenide 15, 443
– gallium arsenide phosphide 6, 224
– phosphide 37, 43
– selenide 268

Kinetics
– of growth 61, 68, 153, 181, 231, 276, 284, 296, 310, 322, 377, 399, 430, 459, 480, 540, 560, 568
– of impurity incorporation 49
– of interface control 43, 177, 346, 522

Lasers, see Device characterization
Lysozyme 103

Melt growth technique
– by Bridgman–Stockbarger method 369
– – of cadmium telluride 459
– – of copper aluminum diselenide 385
– – of copper indium diselenide 97
– – of germanium gallium 144
– by Czochralski method
– – of lithium triborate 514, 523
– – of silicon 191
– by floating zone method 224
– – of beta-lithium vanadate 534
– – of lithium niobate 289
– – of silicon germanium 166
– – of silicon under magnetic field 471
– by liquid encapsulated Czochralski method
– – of gallium arsenide 409
– – of indium phosphide 37, 197
– by uniaxial solidification
– – of aluminum alloys 118
– – of indium phosphide 43
– by vertical Bridgman method
– – of indium phosphide 43
– theory of
– – solute segregation by the Burton–Prim–Slichter model 377
Microgravity, growth under
– of ammonium chloride 328
– of directional solidification 369
– theory of solution growth 359
Morphological stability
– of cadmium 136
– of growth steps 346

Nucleation
– of fullerenes 185
– of gypsum 316
– of lysozyme 103
– of misfit dislocations 15
Numbers
– Grashof 144
– Hartmann 471
– Marangoni 224
– Peclet 144
– Prandtl 224
– Rayleigh 359
– Reynolds 224, 359

Phase diagram
– of 2,4-pentanediol/water 177
– of YBCO 255

Precursor
– for gallium phosphide 49
– for gallium selenide 68
– for magnesium zinc sulphide selenide 89
Purification of materials
– of gallium antimonide 449
– of lysozyme 540

Quantum wells, see Device characterization

Silicon 169, 191, 471
– carbide 261, 491, 509
– germanium 166
Solid growth technique
– by electromagnetic vibration
– – of aluminum alloys 118
Solution growth technique
– by electro deposition
– – of indium selenide 269
– by flux method
– – of barium ferrites 276
– – of copper germanite 174
– – of YBCO 255
– by gel
– – of phosgenite cerrusite 340
– by low temperature method
– – of ammonium chloride 328
– – of cadmium sulphate 497
– – of gypsum brushit 316
– – of lysozyme 552
– – of potash alum 322
– – of potassium bichromate 568
– – of proteins 388
– – of sodium bromate 336
– – of urea doped triglycine sulphate 284
– – theory of 540, 552
– – theory of phases disappearance 568
Stefan problem or moving boundary problem 369
Superconductivity materials, high T_c
– bulk
– – of YBCO 248, 255
– film
– – of YBCO 61
Surface morphology
– of barium ferrites 276
– of indium gallium arsenide 15
– of indium selenide 268
Surface structure
– of 4H-silicon carbide 509
– of silicon carbide 261
– of YBCO 61, 248

Thin film growth, epitaxy
– by chemical beam epitaxy
– – of gallium arsenide 210
– by gas source molecular beam epitaxy
– – of aluminum indium phosphide 393
– – of gallium arsenide 393

– – of indium gallium arsenide phosphide 6
– by hot wall epitaxy
– – of gallium arsenide 455
– – of zinc selenide 455
– by liquid phase electroepitaxy
– – of cadmium sulphide 53
– – of gallium antimonide 1
– by liquid phase epitaxy
– – of gallium aluminum arsenide 241
– – of gallium antimonide 449
– – of gallium arsenide 217, 241, 403
– – of indium gallium aluminum phosphide 425
– – of indium gallium arsenide phosphide 217, 241
– – of ternary alloys 231
– – of YBCO 61
– – theory of solute segregation 241
– by molecular beam epitaxy
– – of aluminum gallium arsenide nitride 399
– – of indium aluminum arsenide 443
– – of indium gallium arsenide 15, 443
– – of silicon 169
– by vapor phase epitaxy
– – through chemical vapor deposition
– – – of beta-silicon carbide 491
– – – of 4H-silicon carbide 509
– – – of 3C-silicon carbide 480
– – through metalorganic chemical vapor deposition
– – – of aluminum gallium arsenide 205
– – – of gallium arsenide 28
– – – of gallium phosphide 49
– – – of gallium triselenide 68
– – – of indium aluminum arsenide 418
– – – of indium gallium arsenide 430, 437
– – – of magnesium zinc sulphide selenide 89
Tin
– telluride 505

Vapor growth technique
– by chemical transport
– – of silicon carbide 79
– by evaporation and condensation
– – of silicon carbide 261
– – of tin telluride 505
– by pulsed laser ablation
– – of lead zirconate titanate 84
– Vapor–liquid–solid growth
– of micro coiled silicon carbide 79

Whisker growth
– of micro coiled silicon carbide 79

Zinc
– selenide 455